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TEAD4 Antibody (monoclonal) (M12)

Mouse monoclonal antibody raised against a full length recombinant TEAD4.
Catalog # AT4203a

Product Information

Application	WB, IHC
Primary Accession	Q15561
Other Accession	BC015497
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1D10
Calculated MW	48329

Additional Information

Gene ID	7004
Other Names	Transcriptional enhancer factor TEF-3, TEA domain family member 4, TEAD-4, Transcription factor 13-like 1, Transcription factor RTEF-1, TEAD4, RTEF1, TCF13L1, TEF3
Target/Specificity	TEAD4 (AAH15497, 1 a.a. ~ 361 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TEAD4 Antibody (monoclonal) (M12) is for research use only and not for use in diagnostic or therapeutic procedures.

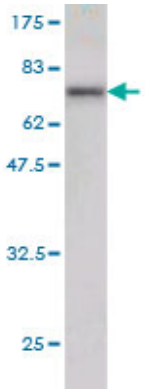
Background

This gene product is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is preferentially expressed in the skeletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific genes to direct their gene expression. Alternatively spliced transcripts encoding distinct isoforms, some of which are translated through the use of a non-AUG (UUG) initiation codon, have been described for this gene.

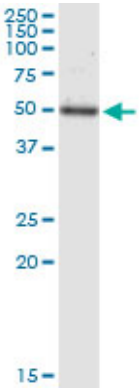
References

TEAD transcription factors mediate the function of TAZ in cell growth and epithelial-mesenchymal transition. Zhang H, et al. J Biol Chem, 2009 May 15. PMID 19324877.Transcription enhancer factor 3 (TEF3) mediates the expression of Down syndrome candidate region 1 isoform 1 (DSCR1-1L) in endothelial cells. Liu X, et al. J Biol Chem, 2008 Dec 5. PMID 18840614.TEAD mediates YAP-dependent gene induction and growth control. Zhao B, et al. Genes Dev, 2008 Jul 15. PMID 18579750.Identification of NR5A1 (SF-1/AD4BP) gene expression modulators by large-scale gain and loss of function studies. Sakai N, et al. J Endocrinol, 2008 Sep. PMID 18579725.Identification of novel alternatively spliced isoforms of RTEF-1 within human ocular vascular endothelial cells and murine retina. Appukuttan B, et al. Invest Ophthalmol Vis Sci, 2007 Aug. PMID 17652751.

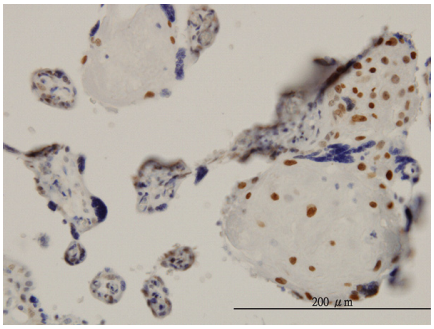
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (65.45 KDa) .



TEAD4 monoclonal antibody (M12), clone 1D10. Western Blot analysis of TEAD4 expression in human spleen.



Immunoperoxidase of monoclonal antibody to TEAD4 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.